

What Is Claimed Is:

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1. A plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

10 ground power source so as to apply a drive voltage between
the two electrodes, when drive voltage pulses are to be
applied between said first and second electrodes.

2. A plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

20 a drive circuit that connects said first and second electrodes to a power source that is different from said ground power source so as to apply a drive voltage between the two electrodes, upon completion of the application of drive voltage pulses after said drive voltage pulses have been applied between said first and second electrodes.

3. ~~A plasma display panel device having first and second electrodes provided apart from one another and a~~

ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

5 a drive circuit that changes said first and second electrodes from a state of being connected to a first power source different from said ground power source to a state of being connected to a second power source different from said ground power source so as to apply a drive voltage between the two electrodes, when drive voltage pulses are to be
10 applied between said first and second electrodes.

4. The plasma display panel device according to Claim 3, wherein:

15 said drive circuit returns said first or second electrode to a state of being connected to said first power source upon completion of the application of said drive voltage pulse.

5. A plasma display panel device having first and
20 second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

25 a drive circuit that changes said first and second electrodes from a state of being connected to a first power source different from said ground power source to a state of being respectively connected to second and third power

sources different from said ground power source so as to apply a drive voltage between the two electrodes, when drive voltage pulses are to be applied between said first and second electrodes.

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6. The plasma display panel device according to Claim 5, wherein:

10 said drive circuit returns said first and second electrodes to a state of being connected to said first power source upon completion of the application of said drive voltage pulse.

15 7. A plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

20 a drive circuit that changes said first and second electrodes from a state of being connected to first and second power sources different from said ground power source to a state of being connected to a third power source different from said ground power source so as to apply a drive voltage between the two electrodes, when drive voltage pulses are to be applied between said first and second electrodes.

25 8. The plasma display panel device according to Claim 7,

wherein:

5 ~~said drive circuit returns said first or second electrode to a state of being connected to said first or second power source upon completion of the application of said drive voltage pulse.~~

10 9. A plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes, said plasma display panel device comprising:

15 a drive circuit that changes said first and second electrodes from a state of being connected to first and second power sources different from said ground power source to a state of being respectively connected to third and fourth power sources different from said ground power source so as to apply a drive voltage between the two electrodes, when drive voltage pulses are to be applied between said first and second electrodes.

20 10. The plasma display panel device according to Claim 9, wherein:

25 ~~said drive circuit returns said first and second electrodes to a state of being respectively connected to said first and second power sources upon completion of the application of said discharge voltage pulse.~~

5 11. The plasma display panel device according to Claim 5, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

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10 12. The plasma display panel device according to Claim 7, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

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15 13. The plasma display panel device according to Claim 9, wherein:

reversed-polarity discharge voltage pulses are applied to said first and second electrodes.

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20 14. The plasma display panel device according to Claim 1, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

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25 15. The plasma display panel device according to Claim 2, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

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30 16. The plasma display panel device according to Claim 3, further having a control portion that is connected to

~~said ground power source and that supplies a control signal to said drive circuit.~~

17. The plasma display panel device according to Claim 5, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

18. The plasma display panel device according to Claim 10, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

19. The plasma display panel device according to Claim 15, further having a control portion that is connected to said ground power source and that supplies a control signal to said drive circuit.

20. The plasma display panel device according to Claim 20, wherein:

the potential of said ground is between the potential of said first power source and the potential of the second power source, and a third electrode is maintained at the potential of the ground power source during the application of said drive voltage pulse.

21. ~~The plasma display panel device according to Claim~~

5, wherein:

the potential of said ground is between the potential of said first power source and the potential of the second power source, or is between the potential of said first power source and the potential of the third power source, and a third electrode is maintained at the potential of the ground power source during the application of said drive voltage pulse.

10 22. A plasma display panel device that performs display by discharge between first and second electrodes provided adjacently along the display line, said plasma display panel device comprising:

15 a control circuit, connected to a ground power source, for generating a control signal; and
a drive circuit that drives said first and second electrodes in response to said control signal,

wherein, when drive voltage pulses are to be applied to said first or second electrode, said drive circuit supplies the start voltage of said drive voltage pulses from a first power source that is different from said ground power source to said first or second electrode, and supplies the end voltage of said drive voltage pulses from a second power source that is different from said ground power source.

25 23. A plasma display panel device according to Claim 22, further comprising: an address electrode provided

~~intersecting with said first and second electrodes,~~

5 wherein the address electrode is maintained at the ground potential between the potentials of said first and second electrodes when said drive voltage pulses are to be applied to the first and second electrodes.

10 24. A method for driving a plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes,

15 wherein said first and second electrodes are connected to a power source that is different from said ground power source and a drive voltage is applied between said electrodes when drive voltage pulses are to be applied between said first and second electrodes.

20 25. A method of driving a plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes,

25 wherein said first and second electrodes are connected to a power source that is different from said ground power source and a drive voltage is applied between said electrodes upon completion of the application of drive voltage pulses after said discharge voltage pulses have been

~~applied between said first and second electrodes.~~

26. A method of driving a plasma display panel device having first and second electrodes provided apart from one another and a ground power source, and performing display by generating a discharge between said first and second electrodes,

wherein said first and second electrodes are changed from a state of being connected to a first power source different from said ground power source to a state in which the first or second electrode is connected to a second power source different from said ground power source, and a drive discharge voltage is applied between said electrodes when drive voltage pulses are to be applied between said first and second electrodes.

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